BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Lakkappa Layout and Hosabalu Nagara in Ward No.11, (Kuvempunagara).

Estimated Cost : Rs. 100.00 Lakhs

Job Code: 011-22-000003

Head of Account : P-3075 Special Comprehensive Development Works

Name of Agency: Sri Nagor Lokanadha Reddy, Flat No. 102, 1st Floor, No. 02 MSNR Cross, Manorayanapalya, RT Nagar, Bangalore - 560032.

Work order No: EE/BTP/BBMP/E-PMT/11(49267)/WO/58/2021-22 D: 18-03-2022.

Measurements Recarded on : 22/03/22

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
	Drain Desilt								
	Lakappa Layout 5th Cross								
	N/S	1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	3.20			0.45	0.45	0.65	
	S/S								
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

79.62

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	3.20			0.45	0.45	0.65	
	Vardaraj Swamy Layout								
	1st Main Road N/S								
	Dead end to 1st Cross	1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
			2.00			0.45	0.45	0.41	
	1st Cross to 2nd Cross	1	15.00			0.45	0.45	3.04	
		1	12.10			0.45	0.45	2.45	
	2nd Cross to 3rd Cross	1	15.00			0.45	0.45	3.04	
		1	11.20			0.45	0.45	2.27	
	3rd Cross to 4th Cross	1	15.00			0.45	0.45	3.04	
		1	12.80			0.45	0.45	2.59	
	4th Cross to 5th Cross	1	15.00			0.45	0.45	3.04	
		1	14.30			0.45	0.45	2.90	
	5th Cross to 6th Cross	1	15.00			0.45	0.45	3.04	
		1	10.70			0.45	0.45	2.17	
	6th Cross to 2nd A Cross	1	15.00			0.45	0.45	3.04	
		1	10.30			0.45	0.45	2.09	
	2nd A Cross to 1st A Cross	1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	15.00			0.45	0.45	3.04	
		1	8.20			0.45	0.45	1.66	
	Aswath Katte to Main Road								
	N/S	1	15.00			0.45	0.35	2.36	
		1	14.60			0.45	0.35	2.30	
	S/S								
		1	15.00			0.45	0.35	2.36	
		1	14.60			0.45	0.35	2.30	
	Vardaraj Swamy Layout								
	1st Main Road N/S								
	Dead end to Cross Road	1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	15.00			0.45	0.35	2.36	
		1	7.00			0.45	0.35	1.10	
	RCC Drain								
	From Aswathakatte to Cross road S/S	1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	15.00			1.10	1.00	16.50	
		1	13.10			1.10	1.00	14.41	
	From Aswathakatte to 1st A Cross road N/S								
		1	15.00			1.10	0.90	14.85	
		1	10.20			1.10	0.90	10.10	
	1st Cross Vadarajaswamy Layout								
		1	15.00			1.10	0.90	14.85	
		1	15.00			1.10	0.90	14.85	
		1	15.00			1.10	0.90	14.85	
		1	15.00			1.10	0.90	14.85	
	Culverts								
	Vardaraj Swamy Layout								
	1st Cross	1	6.00			1.80	1.00	10.80	
	2nd Cross	1	6.00			1.80	1.00	10.80	
	3rd Cross	1	5.60			1.80	1.00	10.08	
	4th Cross	1	6.00			1.80	1.00	10.80	
	5th Cross	1	5.70			1.80	1.00	10.26	
								530.33	
	Total							**528.50**	**Cum**

189.14

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara P

28/2

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	25/03/22 Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :								
2	**Removing and refixing** stone slabs of drains and pointing in CM								
	Vardaraj Swamy Layout 1st Main Road N/S								
	Dead end to 1st Cross	1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
			2.00				1.35	2.70	
	1st Cross to 2nd Cross	1	15.00				1.35	20.25	
		1	12.10				1.35	16.34	
	2nd Cross to 3rd Cross	1	15.00				1.35	20.25	
		1	11.20				1.35	15.12	
	3rd Cross to 4th Cross	1	15.00				1.35	20.25	
		1	12.80				1.35	17.28	
	4th Cross to 5th Cross	1	15.00				1.35	20.25	
		1	14.30				1.35	19.31	
	5th Cross to 6th Cross	1	15.00				1.35	20.25	
		1	10.70				1.35	14.45	
	6th Cross to 2nd A Cross	1	15.00				1.35	20.25	
		1	10.30				1.35	13.91	
	2nd A Cross to 1st A Cross	1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	10.00				1.35	13.50	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	8.20				1.35	11.07	
	Aswath Katte to Main Road	1	15.00				1.35	20.25	
		1	14.60				1.35	19.71	
	Vardaraj Swamy Layout 1st Main Road S/S								
	Dead end to Cross Road	1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	15.00				1.35	20.25	
		1	7.00				1.35	9.45	
								699.57	
	Total							**698.76**	**Sqm**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bangalore Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	28/03/22							
4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Flagging Course								
	Vardaraj Swamy Layout								
	1st Main Road N/S								
	Dead end to 1st Cross	1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	2.00			0.30	0.15	0.09	
	1st Cross to 2nd Cross	1	15.00			0.30	0.15	0.68	
		1	12.10			0.30	0.15	0.54	
	2nd Cross to 3rd Cross	1	15.00			0.30	0.15	0.68	
		1	11.20			0.30	0.15	0.50	
	3rd Cross to 4th Cross	1	15.00			0.30	0.15	0.68	
		1	12.80			0.30	0.15	0.58	
	4th Cross to 5th Cross	1	15.00			0.30	0.15	0.68	
		1	14.30			0.30	0.15	0.64	
	5th Cross to 6th Cross	1	15.00			0.30	0.15	0.68	
		1	10.70			0.30	0.15	0.48	
	6th Cross to 2nd A Cross	1	15.00			0.30	0.15	0.68	
		1	10.30			0.30	0.15	0.46	
	2nd A Cross to 1st A Cross	1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	8.20			0.30	0.15	0.37	
	Aswath Katte to Main Road								
	N/S	1	15.00			0.30	0.15	0.68	
		1	14.60			0.30	0.15	0.66	
	S/S								
		1	15.00			0.30	0.15	0.68	
		1	14.60			0.30	0.15	0.66	
	Vardaraj Swamy Layout								
	1st Main Road S/S								
	Dead end to Cross Road	1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bangalura Mahanagara Pal

22.54

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	15.00			0.30	0.15	0.68	
		1	7.00			0.30	0.15	0.32	
	RCC Drain								
	From Aswathakatte to Cross road S/S	1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	13.10			1.10	0.15	2.16	
	From Aswathakatte to 1st A Cross road N/S								
		1	15.00			1.10	0.15	2.48	
		1	10.20			1.10	0.15	1.68	
	1st Cross Vadarajaswamy Layout								
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	15.00			1.10	0.15	2.48	
		1	5.00			1.10	0.15	0.83	
	Culverts								
	Vardaraj Swamy Layout								
	1st Cross	1	6.00			1.80	0.15	1.62	
		1	6.00			1.80	0.15	1.62	
		1	5.60			1.80	0.15	1.51	
		1	6.00			1.80	0.15	1.62	
		1	5.70			1.80	0.15	1.54	
								78.63	
	Total							**78.51**	**Cum**

28/3

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bbmp, Bengaluru Mahanagara

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	31/03/22							
6	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.								
	U Shape Drains	No	L	Mtrs	Kg/m	Kgs			
	Aswathakatte to Cross road S/S 10 mm dia	1485	2.70	4009.50	0.62	2485.89			
	8 mm dia	13	178.10	2315.30	0.39	902.97			
	From Aswathakatte to 1st A Cross road N/S 10 mm dia	211	2.70	569.70	0.62	353.21			
	8 mm dia	13	25.20	327.60	0.39	127.76			
	1st Cross Vadarajaswamy Layout 10 mm dia	417	2.70	1125.90	0.62	698.06			
	8 mm dia	13	50.00	650.00	0.39	253.50			
						4821.39		Kgs	
		Total Qty =				**4.82**			
		Qty Limited to =				**4.78**			Tonne

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Subeath Bengaluru Mahanagara Palik

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	04/05/22							
8	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications.								
	Vardaraj Swamy Layout								
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25		93.75	
		1	15.00	7.00	7.60	7.30		109.50	
		1	15.00	7.60	7.40	7.50		112.50	
		1	15.00	7.40	7.70	7.55		113.25	
		1	15.00	7.70	7.50	7.60		114.00	
		1	15.00	7.50	7.60	7.55		113.25	
		1	15.00	7.60	7.00	7.30		109.50	
		1	15.00	7.00	6.40	6.70		100.50	
		1	15.00	6.40	7.20	6.80		102.00	
		1	15.00	7.20	7.50	7.35		110.25	
		1	15.00	7.50	7.10	7.30		109.50	
		1	15.00	7.10	6.40	6.75		101.25	
		1	15.00	6.40	5.40	5.90		88.50	
		1	15.00	5.40	5.70	5.55		83.25	
		1	15.00	5.70	5.80	5.75		86.25	
		1	15.00	5.80	5.60	5.70		85.50	
		1	15.00	5.60	5.30	5.45		81.75	
		1	15.00	5.30	5.30	5.30		79.50	
		1	15.00	5.30	5.80	5.55		83.25	
		1	13.00	5.80	5.50	5.65		73.45	
								1950.70	
	Total							**1950.00**	**Sqm**

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara Palike

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	09/05/22							
10	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								
	Vardaraj Swamy Layout								
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25	0.25	23.44	
		1	15.00	7.00	7.60	7.30	0.25	27.38	
		1	15.00	7.60	7.40	7.50	0.25	28.13	
		1	15.00	7.40	7.70	7.55	0.25	28.31	
		1	15.00	7.70	7.50	7.60	0.25	28.50	
		1	15.00	7.50	7.60	7.55	0.25	28.31	
		1	15.00	7.60	7.00	7.30	0.25	27.38	
		1	15.00	7.00	6.40	6.70	0.25	25.13	
		1	15.00	6.40	7.20	6.80	0.25	25.50	
		1	15.00	7.20	7.50	7.35	0.25	27.56	
		1	15.00	7.50	7.10	7.30	0.25	27.38	
		1	15.00	7.10	6.40	6.75	0.25	25.31	
		1	15.00	6.40	5.40	5.90	0.25	22.13	
		1	15.00	5.40	5.70	5.55	0.25	20.81	
		1	15.00	5.70	5.80	5.75	0.25	21.56	
		1	15.00	5.80	5.60	5.70	0.25	21.38	
		1	15.00	5.60	5.30	5.45	0.25	20.44	
		1	15.00	5.30	5.30	5.30	0.25	19.88	
		1	15.00	5.30	5.80	5.55	0.25	20.81	
		1	15.00	5.80	5.50	5.65	0.25	21.19	
		1	15.00	5.50	5.80	5.65	0.25	21.19	
		1	15.00	5.80	5.70	5.75	0.25	21.56	
		1	15.00	5.70	6.00	5.85	0.25	21.94	
		1	15.00	6.00	5.80	5.90	0.25	22.13	
		1	2.00	5.80	5.70	5.75	0.25	2.88	
								580.19	
	Total							**578.85**	**Cum**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhat Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	12/05/22							
11	Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications								
	Vardaraj Swamy Layout								
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25		93.75	
		1	15.00	7.00	7.60	7.30		109.50	
		1	15.00	7.60	7.40	7.50		112.50	
		1	15.00	7.40	7.70	7.55		113.25	
		1	15.00	7.70	7.50	7.60		114.00	
		1	15.00	7.50	7.60	7.55		113.25	
		1	15.00	7.60	7.00	7.30		109.50	
		1	15.00	7.00	6.40	6.70		100.50	
		1	15.00	6.40	7.20	6.80		102.00	
		1	15.00	7.20	7.50	7.35		110.25	
		1	15.00	7.50	7.10	7.30		109.50	
		1	15.00	7.10	6.40	6.75		101.25	
		1	15.00	6.40	5.40	5.90		88.50	
		1	15.00	5.40	5.70	5.55		83.25	
		1	15.00	5.70	5.80	5.75		86.25	
		1	15.00	5.80	5.60	5.70		85.50	
		1	15.00	5.60	5.30	5.45		81.75	
		1	15.00	5.30	5.30	5.30		79.50	
		1	15.00	5.30	5.80	5.55		83.25	
		1	15.00	5.80	5.50	5.65		84.75	
		1	15.00	5.50	5.80	5.65		84.75	
		1	15.00	5.80	5.70	5.75		86.25	
		1	15.00	5.70	6.00	5.85		87.75	
		1	15.00	6.00	5.80	5.90		88.50	
		1	15.00	5.80	5.70	5.75		86.25	
		1	15.00	5.70	5.20	5.45		81.75	
		1	15.00	5.20	5.50	5.35		80.25	
		1	18.30	5.50	7.00	6.25		114.38	
		1	17.00	6.60	7.80	7.20		122.40	
		1	6.50	6.20	5.40	5.80		37.70	
	Aswathkatte to Main Road	1	15.00	8.40	6.00	7.20		108.00	
		1	15.00	6.00	5.00	5.50		82.50	
	Lakappa Layout 5th Cross								
	Cutting Portion	1	15.00	1.00	0.90	0.95		14.25	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.70	0.78		11.63	
		1	15.00	0.70	0.90	0.80		12.00	
		1	15.00	0.90	0.80	0.85		12.75	
		1	15.00	0.80	0.95	0.88		13.13	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.70	0.80		12.00	
		1	15.00	0.70	0.85	0.78		11.63	
		1	15.00	0.85	0.70	0.78		11.63	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura SUB DIVISION
Bruhath Bengaluru Mahanagara Palike

31-48-48

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00	0.70	0.90	0.80		12.00	
		1	15.00	0.90	0.80	0.85		12.75	
		1	18.00	0.90	0.75	0.83		14.85	
								3188.08	
	Total							**3185.40**	**Sqm**

3148.48

12/5/24

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	30/05/22							
12	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4 % VG-30 Bitumen								
	New Road								
	Vardaraj Swamy Layout								
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25	0.05	4.69	
		1	15.00	7.00	7.60	7.30	0.05	5.48	
		1	15.00	7.60	7.40	7.50	0.05	5.63	
		1	15.00	7.40	7.70	7.55	0.05	5.66	
		1	15.00	7.70	7.50	7.60	0.05	5.70	
		1	15.00	7.50	7.60	7.55	0.05	5.66	
		1	15.00	7.60	7.00	7.30	0.05	5.48	
		1	15.00	7.00	6.40	6.70	0.05	5.03	
		1	15.00	6.40	7.20	6.80	0.05	5.10	
		1	15.00	7.20	7.50	7.35	0.05	5.51	
		1	15.00	7.50	7.10	7.30	0.05	5.48	
		1	15.00	7.10	6.40	6.75	0.05	5.06	
		1	15.00	6.40	5.40	5.90	0.05	4.43	
		1	15.00	5.40	5.70	5.55	0.05	4.16	
		1	15.00	5.70	5.80	5.75	0.05	4.31	
		1	15.00	5.80	5.60	5.70	0.05	4.28	
		1	15.00	5.60	5.30	5.45	0.05	4.09	
		1	15.00	5.30	5.30	5.30	0.05	3.98	
		1	15.00	5.30	5.80	5.55	0.05	4.16	
		1	15.00	5.80	5.50	5.65	0.05	4.24	
		1	15.00	5.50	5.80	5.65	0.05	4.24	
		1	15.00	5.80	5.70	5.75	0.05	4.31	
		1	15.00	5.70	6.00	5.85	0.05	4.39	
		1	15.00	6.00	5.80	5.90	0.05	4.43	
		1	15.00	5.80	5.70	5.75	0.05	4.31	
		1	15.00	5.70	5.20	5.45	0.05	4.09	
		1	15.00	5.20	5.50	5.35	0.05	4.01	
		1	18.30	5.50	7.00	6.25	0.05	5.72	
		1	17.00	6.60	7.80	7.20	0.05	6.12	
		1	6.50	6.20	5.40	5.80	0.05	1.89	
	Aswathkatte to Main Road	1	15.00	8.40	6.00	7.20	0.05	5.40	
		1	15.00	6.00	5.00	5.50	0.05	4.13	
	Lakappa Layout 5th Cross								
	Cutting Portion	1	15.00	1.00	0.90	0.95	0.05	0.71	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.70	0.78	0.05	0.58	
		1	15.00	0.70	0.90	0.80	0.05	0.60	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00	0.90	0.80	0.85	0.05	0.64	
		1	15.00	0.80	0.95	0.88	0.05	0.66	
		1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	15.00	0.90	0.70	0.80	0.05	0.60	
		1	15.00	0.70	0.85	0.78	0.05	0.58	
		1	15.00	0.85	0.70	0.78	0.05	0.58	
		1	15.00	0.70	0.90	0.80	0.05	0.60	
		1	15.00	0.90	0.80	0.85	0.05	0.64	
		1	18.00	0.90	0.75	0.83	0.05	0.74	
								159.40	
	Total							**159.27**	**Cum**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	07/06/22							
13	Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.								
	Vardaraj Swamy Layout								
	1st Main Road from Dead End to Main Road	1	15.00	5.50	7.00	6.25		93.75	
		1	15.00	7.00	7.60	7.30		109.50	
		1	15.00	7.60	7.40	7.50		112.50	
		1	15.00	7.40	7.70	7.55		113.25	
		1	15.00	7.70	7.50	7.60		114.00	
		1	15.00	7.50	7.60	7.55		113.25	
		1	15.00	7.60	7.00	7.30		109.50	
		1	15.00	7.00	6.40	6.70		100.50	
		1	15.00	6.40	7.20	6.80		102.00	
		1	15.00	7.20	7.50	7.35		110.25	
		1	15.00	7.50	7.10	7.30		109.50	
		1	15.00	7.10	6.40	6.75		101.25	
		1	15.00	6.40	5.40	5.90		88.50	
		1	15.00	5.40	5.70	5.55		83.25	
		1	15.00	5.70	5.80	5.75		86.25	
		1	15.00	5.80	5.60	5.70		85.50	
		1	15.00	5.60	5.30	5.45		81.75	
		1	15.00	5.30	5.30	5.30		79.50	
		1	15.00	5.30	5.80	5.55		83.25	
		1	15.00	5.80	5.50	5.65		84.75	
		1	15.00	5.50	5.80	5.65		84.75	
		1	15.00	5.80	5.70	5.75		86.25	
		1	15.00	5.70	6.00	5.85		87.75	
		1	15.00	6.00	5.80	5.90		88.50	
		1	15.00	5.80	5.70	5.75		86.25	
		1	15.00	5.70	5.20	5.45		81.75	
		1	15.00	5.20	5.50	5.35		80.25	
		1	18.30	5.50	7.00	6.25		114.38	
		1	17.00	6.60	7.80	7.20		122.40	
		1	6.50	6.20	5.40	5.80		37.70	
	Aswathkatte to Main Road	1	15.00	8.40	6.00	7.20		108.00	
		1	15.00	6.00	5.00	5.50		82.50	
	Lakappa Layout 5th Cross								
		1	15.00	3.90	3.80	3.85		57.75	
		1	15.00	3.80	3.80	3.80		57.00	
		1	15.00	3.80	4.00	3.90		58.50	
		1	15.00	4.00	4.40	4.20		63.00	
		1	15.00	4.40	4.40	4.40		66.00	
		1	15.00	4.40	4.00	4.20		63.00	
		1	15.00	4.00	4.60	4.30		64.50	
		1	15.00	4.60	4.70	4.65		69.75	
		1	15.00	4.70	5.20	4.95		74.25	
		1	15.00	5.20	5.50	5.35		80.25	

ASSISTANT EXECUTIVE ENGINEER
Vijayarajapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

30.76.48

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		1	15.00	5.50	5.20	5.35		80.25	
		1	15.00	5.20	4.80	5.00		75.00	
		1	18.00	4.80	6.00	5.40		97.20	
	Cross Road								
		1	15.00	5.00	4.80	4.90		73.50	
		1	15.00	4.80	4.80	4.80		72.00	
		1	5.00	4.80	5.10	4.95		24.75	
	Deduction for Chambers	-14	3.14	1.00				-43.96	
		-1	0.60	0.60				-0.36	
								4054.86	
	Total							**4038.00**	**Sqm**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub-Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
	Measurements Recarded on :	13/04/22							
	EIRL								
E1	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.								
	Flagging Course								
	Vardaraj Swamy Layout								
	1st Main Road N/S								
	Dead end to 1st Cross	2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	2.00				0.40	1.60	
	1st Cross to 2nd Cross	2	15.00				0.40	12.00	
		2	12.10				0.40	9.68	
	2nd Cross to 3rd Cross	2	15.00				0.40	12.00	
		2	11.20				0.40	8.96	
	3rd Cross to 4th Cross	2	15.00				0.40	12.00	
		2	12.80				0.40	10.24	
	4th Cross to 5th Cross	2	15.00				0.40	12.00	
		2	14.30				0.40	11.44	
	5th Cross to 6th Cross	2	15.00				0.40	12.00	
		2	10.70				0.40	8.56	
	6th Cross to 2nd A Cross	2	15.00				0.40	12.00	
		2	10.30				0.40	8.24	
	2nd A Cross to 1st A Cross	2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	15.00				0.40	12.00	
		2	8.20				0.40	6.56	
	Aswath Katte to Main Road								
	N/S	2	15.00				0.40	12.00	
		2	14.60				0.60	17.52	
	S/S								
		2	15.00				0.40	12.00	
		2	14.60				0.40	11.68	
	Vardaraj Swamy Layout								
	1st Main Road S/S								
	Dead end to Cross Road	2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Sl No	Description of work	Mesurement						Qty	Unit
		No.	L	B1	B2	Av.,B	D		
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	15.00				0.60	18.00	
		2	7.00				0.60	8.40	
								612.88	
								612.80	**Sqm**

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bengaluru Mahanagara